LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 215.

MAPLE SUGAR

6633—1

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MAPLE SUGAR

OTTAWA, September, 2, 1910.

WM. HIMSWORTH, Esq.,
Acting Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon maple sugar, collected throughout Canada in April and May of this year.

The report comprises one hundred and thirty-eight samples; but in addition the duplicates have been analysed in twenty-two instances, so that the total number of samples examined is one hundred and sixty (160). Examination of duplicates has been made when the sample, as taken by our Inspectors, consisted of separate cakes, instead of the division of a single cake into portions. It has sometimes occurred that, in the case of distinct cakes collected under the same inspectoral number, these cakes have given differing results on analysis. In the present instance, with a single exception, the analysis of the duplicate has corroborated the results of analysis of the original sample.

Results may be synoptically stated as follows:—

	Samples.
Genuine	102
Adulterated	22
Doubtful	14
Total	138

It thus appears that 74 per cent of the samples must be declared genuine, on the basis of our present standard for maple sugar, while 16 per cent are found to be adulterated.

The subjoined synopsis of published work on maple sugar since 1905, enables comparison to be made with former reports.

Date of Inspection.	Bulletin.	Sold as Mixture.	Genuine.	Doubtful.	Adulterated.	Total.	Percentage. Genuine.
March, 1905.	102	0	12	2	8	22	55
May, 1905.....	102	0	15	0	3	18	83
March, 1906	120	0	11	3	12	26	42
May, 1906.....	120	1	44	0	7	52	85
May, 1907.....	140	5	185	10	57	257	72
May, 1908,.....	157	0	62	1	8	71	87
Sept., 1910...	215	0	102	14	22	138	74
						584	

It will be seen that all the samples now reported were purchased as maple sugar, not as compounds; although in several instances the vendor declined, after sale, to guarantee the purity of the article. Indeed, in one case (No. 1154) the vendor said the article was a compound, although the results of analysis prove it to be genuine, as judged by our accepted standards for maple sugar.

These standards require that the lead acetate precipitate shall not be less than 2 per cent of the weight of the dry sugar; that the ash shall not be less than one half of one per cent, and the malic acid value not less than 0·4 per cent (Hortvet's method).

Samples are judged as 'doubtful' when the lead precipitate is between 2 per cent and 1·8 per cent; or reaching 2 per cent, when the ash falls below 0·5 per cent and the malic acid value below 0·4 per cent.

It will be seen that the average weight of the lead acetate precipitate as well as that of the ash, notably exceeds the standard numbers, and thus permits many samples to be reduced with sucrose from other sources than the maple, while still meeting the requirements of the standards. There can be little doubt that advantage has been taken of this fact by unscrupulous manufacturers, and that many compounded samples have escaped detection. Owing, however, to the fact that certain undoubtedly genuine maple sugars are found to give a low lead acetate number, and a low ash, it is not considered safe to recommend higher figures than those quoted, lest an honest product should be unfairly dealt with. This matter will receive careful consideration when readjustment of standards for sugar comes before the Advisory Board; and it may be found possible to raise it slightly.

I beg to recor[illegible]lication of this report as Bulletin 215.

I have the honour to be, sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	Results of Analysis. Percentage on dry substance. Lead Sub-acetate precipitate.	Total Ash.	Malic Acid Value.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.												
1910.								p. c.	p. c.	p. c.		
April 19	Maple Sugar..	41946	W. J. Hopgood & Son, Halifax, N.S.	1 lb..	20	Geo. A. Smith, Springhill, N.S.	.....	3·73	.....	.....	41946	Genuine.
" 19	" ..	41947	City Provision Co., Halifax, N.S.	1 " ..	25	John Outhit, Halifax, N.S.	.....	3·48	.....	.....	41947	"
" 19	" ..	41948	Larder Hubley & Co., Halifax, N.S.	1 " ..	20	J. R. Smith, Southampton N.S.	.....	4·42	.....	.....	41948	"
" 20	" ..	41949	Share & Campbell, Halifax, N.S.	1 " ..	20	J. McLellan, Halifax, N.S.	.....	4·17	.....	.....	41949	"
" 20	" ..	41950	Rooney & Lovett, Halifax, N.S.	1 " .	20	J. S. Bird, East Mapleton, N.S.	.....	3·64	.....	.....	41950	"
" 20	" ..	41951	Jas. Clancey, Halifax, N.S.	1 " .	20	Smith & Proctor, Halifax, N.S.	.....	5·91	.....	.....	41951	"
May 3	" ..	41952	R. B. Adams & Co., Halifax, N.S.	1 " ..	20	R. Megeney, Halifax. N.S.	.....	3·88	.....	.....	41952	"
" 4	" ..	41953	Jas. McGregor, Halifax, N.S.	½ " ..	11	Bauld Bros., Ltd., Halifax N.S.	.....	5·11	.....	.....	41953	"
" 4	" ..	41954	J. J. Skerry, Halifax, N.S.	1 " ..	23	" " ..	.....	5·48	.....	.....	41954	"
" 11	" ..	41955	Murphy & DaMont, Halifax, N.S.	¾ " .	15	D. A. Lavers, East Southampton, N.S.	.....	2·57	.....	.....	41955	"

DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.

April 19	Maple Sugar.	38696	R. K. Brace, Charlottetown.	2 lbs.	32	T. Thomas, Quebec		4·88	...	.....	38696	Genuine.
" 19	"	38697	Mrs. W. F. Carter, Charlottetown.	2 "	48	E. D. McKenzie, Springhill, N.S.		4·77	...	.....	38697	"
" 19	"	38698	Saunderson & Co., Charlottetown.	2 "	40	Allan Rogerson, Gamble's Corner, P.E.I.		2·28	...	.....	38698	"
" 21	"	38699	A. Bowness, Kensington	2 "	32	F. T. Thomas, Quebec		2·77	...	.....	38699	"
" 22	"	38700	R. T. Holman Ltd., Summerside.	2 "	20	Woodman & McKee, Coaticook, P.Q.		4·73	...	.....	38700	"
" 22	"	38701	Brace & McKay, Summerside.	2 "	30	A. E. Hurd, Ayerscliff, P.Q.		4·22	...	.....	38701	"
" 26	"	38702	Jas. Gainor, Mount Stewart.	2 "	40	G. Gorong, St. John		3·93	...	.....	38702	"
" 28	"	38703	R. Nicholson, Charlottetown.	2 "	50	J. A. Farquharson, Charlottetown.		1·84 *1·86	0·57	0·19	38703	Adulterated.
" 28	"	38704	J. McKinnon, Charlottetown.	2 "	30	Robert Mitchell, Quebec		3·51	...	.....	38704	Genuine.
" 28	"	38705	Coffin & Co., Charlottetown.	2 "	30	Sugars & Canners, Ltd., Montreal.		1·36 *1·44	0·38	0·10	38705	Adulterated.

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

April 25	Maple Sugar.	39692	James Collins, St. John, N.B.	2 lbs.	45	Goddard Bros., Elgin, N.B	Vendor does not guarantee quality or purity.	3·64	...	.....	39692	Genuine.
" 25	"	39693	W. A. Porter, St. John, N.B.	2 "	40	Hanford H. Geldart, Elgin N.B.	Guaranteed absolutely pure.	3·48	...	.....	39693	"
" 25	"	39694	Harry G. McBeath, St. John, N.B.	2 "	48	Slocum & Ferris, Elgin, N.B.		3·63	...	.....	39694	"
May 5	"	45234	E. G. Hoben, Fredericton N.B.	2 "	50	Goddard Bros., Elgin, N.B	Labelled Pure Maple Sugar.	2·88	...	.....	45234	"
" 5	"	45235	Halt Morrison & Co., Fredericton, N.B.	2 "	32	Alfred Brown & Sons, Bear Island, N.B.	Rock Maple Sugar	4·48	...	.....	45235	"
" 6	"	45236	C. H. Burtt, Fredericton N.B.	2 "	50	W. Leigh Burtt, Zealand Station, N.B.	Maple Cakes	4·75	...	.....	45236	"
" 10	"	45237	Frank Godren, Grand Falls, N.B.	2 "	50	Fred Conron, Drummond Parish, N.B.		4·91	...	.....	45237	"
" 11	"	45238	Peter Lagacy, Grand Falls, N.B.	2 "	35	Joseph Caron, Irishtown, N.B.		5·64	...	.....	45238	"
" 18	"	45239	Mills Eveleigh Ltd., Sussex, N.B.	2 "	40	T. Whit. Colpitts, Forest Glen, N.B.		4·40	...	.....	45239	"
" 19	"	45240	J. N. Boudreau, Moncton, N.B.	2 "	35	Napoleon Geranier, Marbleton, N.N.	Vendor would not guarantee purity.	3·51	...	.....	45240	"

* Duplicate.

BULLETIN No. 215—MAPLE SUGAR.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	Results of Analysis. Percentage on dry substance. Lead Sub-acetate precipitate.	Results of Analysis. Percentage on dry substance. Total Ash.	Results of Analysis. Acetic Acid Value.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.												
1910.								p. c.	p. c.	p. c.		
April 19	Maple Sugar.	36578	E. Sauvageau, Champlain	4¾ lbs.	48	Gustave Sauvageau, Champlain.		2·33	0·93		36578	Genuine.
" 19	"	36579	J. A. Brunelle, Champlain.	2 "	20	Denis Grandmond, Champlain.		6·33			36579	"
" 19	"	36580	L. L. Brunelle, Batiscan.	4 "	40	J. A. Turcotte, Champlain		4·77			36580	"
" 21	"	36581	E. Deguise, St. Genevieve	3¼ "	30	Unknown		6·40			36581	"
" 21	"	36582	A. A. St. Arsenaud, St. Genevieve.	3½ "	34	Xavier Thibeault, St. Genevieve.		4·51			36582	"
" 25	"	36583	J. W. Cloutier, St. Stanislas.	3 "	30	Alfred Guilmet, St. Stanislas.		6·17			36583	"
" 25	"	36584	J. Beaudoin, St. Stanislas.	4 "	40	Vendor		5·68			36584	"
" 25	"	36585	F. Dessureau, St. Stanislas.	5 "	50	"		5·31			36585	"
" 25	"	36586	A. Lafontaine, St. Stanislas.	4 "	40	"		3·71			36586	"
" 25	"	36587	Henrie Trepanier, St. Stanislas.	5 "	50	"		4·13			36587	"

DISTRICT OF ST. HYACINTHE—J. J. COSTIGAN, ACTING INSPECTOR.

April 23	Maple Sugar..	40448	G. Dupuis, St. John, P.Q.	2cakes	27	A. Brodeur, St. Paul, P.Q.		3·24			40448	Genuine.
" 23	" ..	40449	" " ..	1 cake	24	A. Menard, St. Paul, P.Q.		3·33			40449	"
" 20	" ..	40470	E. Goyette, Cowansville, P.Q.	2 lbs..	30	A. Johnson, Iron Hill		2·53			40470	"
" 21	" ..	40471	L. H. Olivier, Sherbrooke	2 " ..	26	Unknown		3·66			40471	"
" 25	" ..	40472	Ginn & Elliott, Richmond, P.Q.	1 cake	25	J. Duclos, Richmond, P.Q.		3·86			40472	"
" 25	" ..	40473	H. P. Wales, Richmond, P.Q.	2 lbs..	16	Unknown		4·22			40473	"
" 25	" ..	40474	MacRaeBros., Richmond, P.Q.	1 cake	23	Mrs. Lynn, Flodden, P.Q		4·64			40474	"
" 26	" ..	40475	Magasin Co-oporatif, Thetford Mines	2½ lbs.	27	Unknown		6·00			40475	"
" 27	" ..	40476	D. L. Dupuis, Coaticook, P.Q.	2 " .	20	Eugene Inkle, Way's Mills P.Q.		3·06			40476	"
May 2	" ..	40477	Eastern Tnshps. M.S. & S. Exchange, Sutton, P.Q.	2 " .	20	Chester Wilson, East Hill P.Q.		3·95			40477	"

DISTRICT OF MONTREAL—J. C. ROULEAU, ACTING INSPECTOR.

April 19	Maple Sugar..	1148	H. Montpetit, St. Anne de Bellevue.	2 lbs.	25	Unknown		2·02	0·55	0·28	1148	Doubtful.
" 19	" ..	1149	C. Decoste, Rigaud	4 " .	39	F. Sabourin, St. Redempteur.		4·95			1149	Genuine.
" 20	"	1150	J. B. Dubeau, St. Redempteur.	6 " .	60	Moise Vallee, St. Redempteur.		3·73			1150	"
" 20	" ..	1151	J. E. P. Deguise, St. Justine.	3¼ " .	33	Unknown		3·20			1151	"
" 20	" ..	1152	D. Mesnard, St. Justine Station.	3½ " .	3.	Mde. Beriault, St. Justine Station.		4·02			1152	"
" 21	" ..	1153	J. A. N. Bourassa, Valleyfield.	4¼ " .	43	Mr. Laberge, Dewittville		4·11			1153	"
" 21	" ..	1154	O. Marchand, Beauharnois.	2 " .	24	Unknown	After purchase Vendor stated it was compound	4·55			1154	"
" 27	" ..	1155	Wm. Biltcliffe, Westmount.	2 " .	24	W. D. Bradford, Granby.		3·40			1155	"
May 6	" ..	1156	O. Champagne, 635 Notre Dame E., Montreal.	2½ " .	30	Unknown		3·37			1156	"
" 6	" ..	1157	C. Rollin 1437 St. Catherine E., Montreal.	2		Gunn Langlois et Cie, Montreal.		4·55			1157	"

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DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.												
1910.								p. c.	p. c.	p. c.		
April 20	Maple Sugar..	42973	G. F. Cook, Almonte....	2 lbs..	25	Vendor.....	.....	1·18	0·41	0·18	42973	Adulterated.
" 20	" ..	42974	H. H. Cole, Almonte....	2 " ..	30	Mrs. McKirdy, Almonte..	.....	5·73	.....	. .	42974	Genuine.
" 22	" ..	42975	Mackay Bros., Renfrew.	2 " ..	22	W. M. Smith, Harlaem, Ont.	.....	2·88	.....	.....	42975	"
" 27	" ..	42976	P. Brankin, Market Sq.. Ottawa.	3cakes	30	Ottawa Cold Storage, Ottawa.	Sample from box marked Smalls pure maple sugar.	1·88 *1·58	0·61 0·44	0·45	42976	Adulterated.
" 27	" ..	42977	E. Gougeon, Market Sq. Ottawa.	1 " ..	10	Lerner & Son, Ottawa....	Sample from box marked pure maple sugar. Sugars & Canners Limited, Montreal.	1·54	0·46	0·20	42977	"
" 27	" ..	42978	J. Bambrick, George St., Ottawa.	2 lbs..	30	J. D. McGregor, Ottawa..	.....	2·80	.....	....	42978	Genuine.
" 27	" ..	42979	W. B. Graham, Bank St., Ottawa.	2 " ..	30	Wm. Cullen, Ottawa....	.....	4·33	.....	.....	42979	"
" 27	" ..	42980	Calderone & Bossio, Bank St., Ottawa.	2 " ..	30	Westover, Sutton Junction	.....	3·03	0·66	....	42980	"
" 28	" ..	42981	F. A. Scott & Son, Wellington St., Ottawa.	2 " ..	30	Wm. Cullen, Ottawa.....	.....	4·44	.....	....	42981	"
" 29	" ..	42982	A. Parkinson & Son, Kemptville.	3cakes	30	Sugars & Canners, Ltd, Montreal.....	.....	1·34 *1·58	0·44	0·19	42982	Adulterated.

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

April 15	Maple Sugar..	44267	Kelly Bros., Kingston...	3cakes	30	Sugars & Canners Ltd., Montreal.....	.....	2·13	0·53	0·58	44267	Genuine.
" 15	" ..	44268	W. J. Nesbit, Kingston..	3 " ..	30	James Craig, Kingston...	.....	1·96 *1·95	0·53	0·15 ...	44268	Doubtful.
" 19	" ..	44270	Geo. Boyle, Belleville...	3 " ..	30	Geo. Roberston & Son, Montreal.	.....	3·46	.....	.....	44269	Genuine.
" 19	" ..	44271	J. H. Young, Belleville .	3 " ..	30	Imperial Syrup Co., Montreal.	.....	1·68 *1·80	0·38 ..	0·12	44270	Adulterated.
" 19	" ..	44272	Beverly McDonald, Picton.	2 lbs..	30	J. Sloan, Belleville.....	.....	1·52 *1·91	0·48	0·13	44271	"
" 20	" ..	44273	T. R. Harvey, Cobourg..	2 " ..	30	Unknown.....	.....	1·86	0·58	0·12	44272	Doubtful.
" 20	" ..	44274	E. Guillet, Cobourg,.....	2 " ..	40	Simeon Adame, Danville, P.Q.	.....	1·79	0·67	0·19	44273	"
" 21	" ..	44275	J. Sutherland, Peterboro	3cakes	30	Gunn, Toronto.....	.....	2·71 1·85	..... 0·53	..... 0·10	44274 44275	Genuine. Adultered.
" 21	" ..	44276	P. S. White, Pererboro..	2 lbs..	30	T. Kinnear Co., Peterboro	.....	*1·71 6·56	....	....	44276	Genuine.

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

May 5	Maple Sugar..	45012	S. H. Griffith, Welland .	1 cake	10	Sugars, Ltd., Quebec.....	Labelled Pure Twin Block Maple Sugar.	2·04	0·51	0·20	45012	Doubtful.
" 7	" ..	45013	Wolfe & Mosler, Port Colborne.	1 "	10	Imperial Syrup Co., Montreal..	Sold as pure maple sugar.	0·91	0·46	0·07	45013	Adulterated.
" 9	" ..	45014	J. Allen, 353 Yonge St., Toronto.	1 lb ..	15	Unknown.....	Sold as genuine maple sugar.	0·91	0·46	0·07	45014	"
" 10	" ..	45015	G. B. Draker, St. Catharines.	1 cake	10	John Ross, St. Catharines	Imperial maple sugar..	2·33	.....	.....	45015	Genuine.
" 11	" ..	45017	F. H. Taylor, Niagara Falls.	2cakes	20	Imperial Syrup Co., Montreal.	Imperial maple sugar. Sold as pure.	0·64	0·28	0·09	45017	Adulterated.
" 14	" ..	45018	H. S. Hooper, 241 King St. East, Hamilton.	1 cake	10	White & Co., Hamilton ..	Guaranteed pure ...	2·11	0·60	0·16	45018	Doubtful.
" 16	" ..	45019	J. Blood, 419 Yonge St., Toronto.	1 lb .	15	J. Weston, 630 Ontario St., Toronto.	Sold as pure.....	3·08	.....	....	45019	Genuine.
" 16	" ..	45020	W. I. Wellwood, 161 Yonge St., Toronto.	1 cake	20	Mr. Thompson, cor. Church & Front Sts., Toronto.	"	6·11	....	.....	45020	"
" 16	" ..	45021	Robert Findley, 701 Queen St. East, Toronto	1 "	10	Imperial Syrup Co., Montreal..	"	1·06	0·38	0·10	45021	Adulterated.
" 11	" ..	45011	Jas. Whimster & Co., Aurora.	1 lb ..	14	J. Thompson, Athens....	"	3·53	.....	.....	45011	Genuine.

* Duplicate.

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Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	Results of Analysis. Percentage on dry substance. Lead Sub-acetate precipitate.	Results of Analysis. Percentage on dry substance. Total Ash.	Results of Analysis. Malic Acid Value.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF LONDON—JNO. TALBOT, ACTING INSPECTOR.												
1910.								p. c.	p. c.	p. c.		
May 5	Maple Sugar..	42303	W. R. Smith, Seaforth..	3 bars.	30	A. M. Smith & Co., London.	Twin Blocks pure maple sugar.	1·70 *1·60	0·45	0·23	42303	Adulterated.
" 5	" ..	42306	O. C. Whitley, Goderich	3 " .	30	" " ..	.....	1·74 *1·88	0·47	0·24	42306	"
" 3	" ..	42585	Pickard & Fleming, St. Mary's.	3 " .	30	Jas. Lloyd, Stratford.....	.....	1·69 *1·88	0·43	0·31	42585	"
" 3	" ..	42586	John Walsh, St. Mary's..	3 " .	30	Sugars & Canners, Ltd., Montreal.	.....	1·71 *1·70	0·48	0·29	42586	"
" 4	" ..	42592	Walsh Bros., Stratford..	3 " .	30	Unknown.....	Guaranteed pure.....	1·48 *1·48	0·38	0·16	42592	"
" 4	" ..	42596	Knechtel Grocery Co., Stratford.	3 " .	25	"	.....	1·99 *1·85	0·51	0 33	42596	Doubtful.
" 4	" ..	42598	A. G. Lloyd, Stratford..	3 " .	30	Jas. Lloyd, Stratford.....	.....	1·81 *1·95	0·45	0·29	42598	Adulterated.
" 4	" ..	42600	R. S. Jones, Stratford...	3 " .	25	" "	.....	2·04 *2·22	0·61	0·51	42600	Genuine.
DISTRICT OF WINDSOR—JNO. TALBOT, INSPECTOR.												
								p. c.	p. c.	p. c.		
April 18	Maple Sugar..	42544	J. A. McCrea & Son, Guelph.	3cakes	30	Sugars Ltd., Montreal....	.....	1·58 *1·49	0·47 0·46	0·29 ...	42544	Adulterated. "
" 18	" ..	42550	J. M. Dooley, Guelph..	3 "	30	" "	.....	1·79 *1·71	0·44	0·22 ..	42550	" "

"	18	" ..	42550	J. M. Dooley, Guelph..	3 "	30	" "	.....	1·79 *1·71	0·44	0·22 ..	42550	"
"	18	" ..	42553	Jas. Gow, Guelph.....	3 "	30	Unknown.....	.....	3·98	.....	.....	42553	Genuine.
"	19	" ..	42555	Beck & Schell, Berlin..	3 "	30	Davidson & Hay, Toronto	.....	1·98 *1·95	0·56	0 11	42555	Doubtful. "
"	19	" ..	42556	A. E. Heller, Berlin.....	3 "	45	W. L. Sager, Frelighsburg P.Q.	.. ..	2·57	... ..	...	42556	Genuine.
"	19	" ..	42559	Dan. Bohlender, Waterloo, Ont.	3 "	30	Jno. Garvey & Son, London.	....	2·51	.....	.....	42559	"
"	19	" ..	42562	A. K. Raesch, Waterloo, Ont.	3 "	30	" "	Guaranteed pure — Sugars & Canneries, Ltd	2·18 *2·17	0·52	0·22	42562	Doubtful.
"	20	" ..	42565	John Sloan, Galt.....	3 "	30	Geo. Watts & Son, Brantford.	....	1·96 *1·88	0·48	0·56	42565	" "
"	20	" ..	42566	Hugh Walker, Galt.	3 "	30	Sugars & Canners, Ltd...	....	2·48	.. .	.....	42566	Genuine.
"	21	" ..	42573	A. M. Smith & Son, Woodstock, Ont.	3 "	30	Canada Maple Exchange Co., Montreal.	....	3·45	.....	.....	42573	"

DISTRICT OF MANITOBA—A. C. LARIVIERE, INSPECTOR.

April	26	Maple Sugar..	43446	Hardy & Buchanan, Osborne St., Winnipeg.	2 lbs..	40	O. E. Sherwood, Foster, P.Q.	.....	4·33	.....	.....	43446	Genuine.
"	29	" .	43447	W. H. Stone Co., Winnipeg.	1½ " .	25	Unknown..	....	2·66	.....	.....	43447	"
"	29	" ..	43448	J. A. McKerchar, Winnipeg.	1½ " .	25	T. W. Taylor, Birchton. P.Q.	.....	5·66	.....	.....	43448	"
May	6	" ..	43449	Coyle Bros., Main St., Winnipeg.	1½ " .	25	Maple Tree Producers Association, Waterloo, P.Q	.....	4·02	.....	....	43449	"
"	6	" ..	43450	Harris Confectionery Store, 999 Main St., Winnipeg.	2 lbs..	60	Imperial Syrup Co., Montreal.	....	1·79 *1·80	0·55	0·10	43450	Doubtful. "
"	6	" ..	43451	The Hudson's Bay Co., Winnipeg.	1½ " .	30	Maple Tree Producers Association, Waterloo, P.Q	Pride of Canada. ..	4·00	.....	.....	43451	Genuine.
"	6	" ..	43452	J. J. Jackson, 252 Main St., Winnipeg.	1½ " .	30	" "	.....	3·42	.....	.....	43452	"
"	6	" ..	43453	J. G. Hargrave & Co., Winnipeg.	1½ " .	30	Bright & Emery, Winnipeg.	....	4·73	.....	. ..	43453	"
"	6	" ..	43454	T. E. Williams, William Ave., Winnipeg.	2½ " .	25	Unknown.....	. .. .	2·05	0·66	0·43	43454	"
"	6	" ..	43455	J. Paterson, Market St., Winnipeg.	2½ " .	25	"	.....	2·95	.... .	.....	43455	"

*Duplicate.

BULLETIN No. 215—MAPLE SUGAR.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	Results of Analysis. Percentage on dry substance. Lead Sub-acetate precipitate.	Results of Analysis. Percentage on dry substance. Total Ash.	Results of Analysis. Malic Acid Value.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.												
1910.								p. c.	p. c.	p. c.		
April 29	Maple Sugar	43701	Copas & Emerson, Calgary.	2 lb.	40	Maple Tree Producers' Assocn., Ltd., Waterloo, P.Q.		3.55			43701	Genuine.
" 29	"	43702	Wood & Green, Calgary	2 "	40	G. B. Hall, Barnston, P.Q.		3 33			43702	"
" 29	"	43703	Hudson's Bay Co., Calgary.	2 "	40	Maple Tree Producers' Assocn., Ltd., Waterloo, P.Q.		4·28			43703	"
May 5	"	43704	R. Dunn, Medicine Hat.	2 "	40	Donnelly, Watson & Brown, Calgary.		4·64			43704	"
" 5	"	43705	Spencer & Todd, Medicine Hat.	2 "	50	Maple Tree Producers' Assocn., Ltd., Waterloo, P.Q.		3·86			43705	"
" 12	"	43706	The Good Co., Lethbridge.	2 "	75	Edmund J. Berry, Brome, P.Q.		2·64			43706	"
" 18	"	43707	Hallier & Aldridge, Edmonton.	2 "	40	G. W. Earl, Elgin, Ont.		3·98			43707	"
" 18	"	43708	C. Campbell & Co., Edmonton.	2 "	40	Unknown		3·51			43708	"
" 18	"	43709	The Hudson's Bay Co., Edmonton.	2 "	40	Maple Tree Producers' Assocn., Waterloo, P.Q.		4·42			43709	"
" 18	"	43710	Capital Mercantile Co., Edmonton.	2 "	50	" "		4·12			43710	"

DISTRICT OF VANCOUVER—D. O'SULLIVAN, ACTING INSPECTOR.

May	5	Maple Sugar..	44836	Thayer & Co., Vancouver, B.C.	2 lb..	50	Edmund J. Berry, Quebec.	.....	2·95	.....	.....	44836	Genuine.
"	5	" ..	44838	The A. & C. Grocery Co., Vancouver, B.C.	1½ " ..	50	Maple Tree Producers' Assocn., Montreal.	.....	4·46	.....	.....	44838	"
"	5	" ..	44844	T. F. McDowell, Vancouver, B.C.	1½ " ..	30	Kelly, Douglas & Co., Vancouver.	.....	3·86	.....	.....	44844	"
"	5	" ..	44848	J. McTaggart, Vancouver, B.C.	2 " ..	40	Edmund J. Brome, Brome, P.Q.	.....	3·04	.....	...	44848	"
"	6	" ..	44852	J. S. Foran, Vancouver, B.C.	2½ " ..	60	D. N. McDougall, Martintown, P.Q.	.....	4·55	.....	.....	44852	"
"	6	" ..	44858	J. F. May, Vancouver, B.C.	1½ " ..	25	Kelly, Douglas & Co., Vancouver.	.....	4·64	.....	.....	44858	"
"	8	" ..	44875	West End Grocery, New Westminster.	1½ " ..	25	The W. H. Malkin Co., Ltd., Vancouver.	.....	2·12	0·46	0·12	44875	Adulterated.
"	8	" ..	44878	T. S. Annandale, New Westminster.	1½ " ..	30	Kelly, Douglas & Co., Vancouver.	.....	2·05	0·60	0·07	44878	Doubtful.
"	8	" ..	44880	C. A. Welch, New Westminster.	2 " ..	30	" " ..	.....	1·85	0·55	0·42	44880	"
"	8	" ..	44882	The New Westminster Co-op. Assocn., Ltd.	2 " ..	25	The W. H. Malkin Co., Ltd., Vancouver.	.....	1·64	0·56	0·46	44882	"